Costliest U.S. Tropical Cyclones

NOAA's National Centers for Environmental Information (NCEI) in consultation with the National Hurricane Center (NHC) has updated this listing of costliest tropical cyclones to strike the United States. This listing was previously found in the NOAA memorandum The Deadliest, Costliest and Most Intense U.S. Tropical Cyclones, at https://www.nhc.noaa.gov/pdf/nws-nhc-6.pdf

For all United States hurricanes, Hurricane Katrina (2005, $172.5B*) is the costliest storm on record. Hurricane Harvey (2017, $133.8B*) ranks second, Hurricane Maria (2017, $96.3B*) ranks third, Hurricane Sandy (2012, $75.4B*) ranks fourth, and Hurricane Irma (2017, $53.5B*) ranks fifth.

The NCEI data set provides more loss information than previous damage figures used by NHC, including agriculture, individual payouts, and disaster money from the federal government to the respective states. In performing these disaster cost assessments, NCEI examined statistics from a wide variety of sources. Using the latest scientific methodology, it determined the estimated total costs of these events - that is, the costs in terms of dollars that would not have been incurred had the event not taken place. Insured and uninsured losses are included in damage estimates. Sources include the National Weather Service, the Federal Emergency Management Agency, U.S. Department of Agriculture, U.S. Army Corps of Engineers, individual state emergency management agencies, state and regional climate centers, media reports, and insurance industry estimates.

For more information visit https://www.ncdc.noaa.gov/billions/

**values based on the 2021 Consumer Price Index adjusted cost*

Costliest tropical cyclones to impact the United States (cost values are based on the 2021 Consumer Price Index adjusted cost)

Tropical Cyclone	Year	Category	Adjusted Costs
Zeta	2020	2	$4.4B
Sally	2020	2	$7.3B
Laura	2020	4	$19.2B
Isaias	2020	1	$4.8B
Imelda	2019	TS	$5.1B
Michael	2018	5	$26.0B
Florence	2018	1	$25.0B
Maria	2017	4	$96.3B
Irma	2017	4	$53.5B
Harvey	2017	4	$133.8B
Matthew	2016	1	$11.1B
Sandy	2012	1	$75.4B
Isaac	2012	1	$3.2B
Lee	2011	TS	$3.0B
Irene	2011	1	$16.1B
Ike	2008	2	$37.5B
Gustav	2008	2	$7.5B
Wilma	2005	3	$26.2B
Rita	2005	3	$25.5B
Katrina	2005	3	$172.5B
Dennis	2005	3	$3.4B
Jeanne	2004	3	$10.6B
Ivan	2004	3	$29.1B
Frances	2004	2	$13.9B
Charley	2004	4	$22.7B
Isabel	2003	2	$8.0B
Allison	2001	TS	$12.8B
Floyd	1999	2	$10.4B
Georges	1998	2	$9.8B
Fran	1996	3	$8.5B
Opal	1995	3	$8.2B
Marilyn	1995	2	$3.7B
Iniki	1992	4	$5.9B
Andrew	1992	5	$51.3B
Hugo	1989	4	$19.5B
Juan	1985	1	$3.7B
Elena	1985	3	$3.2B
Alicia	1983	3	$8.1B
Frederick	1979	3	$6.2B
Agnes	1972	1	$13.3B
Celia	1970	3	$6.3B
Camille	1969	5	$10.2B
Betsy	1965	3	$11.8B
Donna	1960	4	$3.4B
Diane	1955	1	$8.2B
Carol	1954	3	$4.5B
Great Atlantic Hurricane	1944	3	$5.2B

Tropical Cyclone	Year	Category	Adjusted Costs
Long Island Express	1938	3	$5.7B

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Tropical cyclones impacting the United States that resulted in at least $1 billion of damage costs at the time they occurred

Tropical Cyclone	Year	Category	Unadjusted Costs
Eta	2020	2	$1.5B
Zeta	2020	2	$4.4B
Delta	2020	2	$2.9B
Sally	2020	2	$7.3B
Laura	2020	4	$19.0B
Isaias	2020	1	$4.8B
Hanna	2020	1	$1.1B
Imelda	2019	TS	$5.0B
Dorian	2019	1	$1.6B
Michael	2018	5	$25.0B
Florence	2018	1	$24.0B
Maria	2017	4	$90.0B
Irma	2017	4	$50.0B
Harvey	2017	4	$125.0B
Matthew	2016	1	$10.0B
Sandy	2012	1	$65.0B
Isaac	2012	1	$2.8B
Lee	2011	TS	$2.5B
Irene	2011	1	$13.5B
Ike	2008	2	$30.0B
Gustav	2008	2	$6.0B
Dolly	2008	2	$1.3B
Wilma	2005	3	$19.0B
Rita	2005	3	$18.5B
Katrina	2005	3	$125.0B
Dennis	2005	3	$2.5B
Jeanne	2004	3	$7.5B
Ivan	2004	3	$20.5B
Frances	2004	2	$9.8B
Charley	2004	4	$16.0B
Isabel	2003	2	$5.5B
Isidore	2002	TS	$1.2B
Lili	2002	1	$1.1B
Allison	2001	TS	$8.5B
Floyd	1999	2	$6.5B
Georges	1998	2	$6.0B
Bonnie	1998	3	$1.0B
Fran	1996	3	$5.0B
Opal	1995	3	$4.7B
Marilyn	1995	2	$2.1B
Alberto	1994	TS	$1.0B
Iniki	1992	4	$3.1B
Andrew	1992	5	$27.0B
Bob	1991	2	$1.5B
Hugo	1989	4	$9.0B
Juan	1985	1	$1.5B
Elena	1985	3	$1.3B

Tropical Cyclone	Year	Category	Unadjusted Costs
Alicia	1983	3	$3.0B
Frederick	1979	3	$1.7B
Agnes	1972	1	$2.1B
Camille	1969	5	$1.4B
Betsy	1965	3	$1.4B

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